

		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FIRST YEAR	FALL		3	ENGL 1301	Rhetoric and Composition I	C	010	Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.		
			4	MATH 2413	Calculus I	C	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.		
			3	HIST 1301	U.S. History I		060			
			3	XXXX X3XX	Integrative and Experiential Learning		090		Recommended: CSCI 1380 or CSCI 1370/1170	
			3	XXXX X3XX	Creative Arts		050		See General Education Core for course options.	
				UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.	
	16 Semester Total Hours									
		SPRING		3	ENGL 1302	Rhetoric And Composition II	C	010	A grade of 'C' or better in ENGL 1301 or ENGL 1387.	
				4	MATH 2414	Calculus II	C	020	MATH 2413 (or MATH 2487) with a grade of 'C' or better.	
				3	MATH 2318	Linear Algebra	C		MATH 2413 (or MATH 2487) with a grade of 'C' or better.	
			3	HIST 1302	U.S. History II		060			
		3	XXXX X3XX	Social and Behavioral Sciences		080		Recommended: ECON 1301 or ECON 2301		
16 Semester Total Hours										
SECOND YEAR	FALL		4	MATH 2415	Calculus III	C		MATH 2414 (or MATH 2488) with a grade of 'C' or better.		
			3	MATH 3341	Differential Equations	C		MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.		
			3	POLS 2301	U.S. & Texas Government & Politics I		070			
			4	XXXX X4XX	Life and Physical Sciences I		030		Recommended: PHYS 2425	
			3	XXXX X3XX	Language, Philosophy & Culture		040		See General Education Core for course options.	
	17 Semester Total Hours									
		SPRING		3	MATH 3343	Introduction to Mathematical Software	C		MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.	
				3	MATH 3350	Introduction to Mathematical Proof	C		MATH 2318 with a grade of 'C' or better.	
				3	POLS 2302	U.S. & Texas Government & Politics II		070		
				1	XXXX X1XX	Integrative and Experiential Learning		090		
		4	XXXX X4XX	Life and Physical Sciences II		030		Recommended: PHYS 2426		
14 Semester Total Hours										

Symbols Key

Critical (!): sequence sensitive course.

Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.

General Education Core (GEC) Sections: 010 - Communication; 020 - Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy & Culture; 050 - Creative Arts; 060 - American History; 070 - Government/Political Science; 080 - Social and Behavioral Sciences; 090 - Computer Application; 090 - Interdisciplinary ;090 - Science Labs; 090 - Wellness.

Language Proficiency Requirement: Student is required to demonstrate language proficiency in a language other than English at the undergraduate level equivalent to a minimum of six credits.

		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
THIRD YEAR	FALL	3		MATH 3363	Modern Algebra I	c		MATH 2318 and MATH 3350, each with a grade of 'C' or better.		
		3		MATH 3352	Modern Geometry I	c		MATH 2318 with a grade of 'C' or better.		
		3		MATH X3XX	Major Advanced Elective	c			See Degree Plan for course options.	
		3		MATH X3XX	Major Advanced Elective	c			See Degree Plan for course options.	
		3		XXXX X3XX	Free Elective					
	15 Semester Total Hours									
	SPRING	3		MATH 3372	Real Analysis I	c		MATH 2414 (or MATH 2488) and MATH 3350, each with a grade of 'C' or better.		
		3		MATH 4337	Probability and Statistics I	c		MATH 2414 (or MATH 2488) with a grade of 'C' or better.		
		3		MATH 3349	Numerical Methods	c		MATH 2414 (or MATH 2488) and MATH 3343, each with a grade of 'C' or better.		
		3		MATH X3XX	Major Advanced Elective	c			See Degree Plan for course options.	
3			XXXX X3XX	Free Elective						
15 Semester Total Hours										
FOURTH YEAR	FALL	3		MATH 4390	Mathematics Project	c		MATH 2318, MATH 3350, and 9 additional advanced hours of MATH, all with grades of 'C' or better.		
		3		MATH 3331	Applied Statistics I	c		MATH 2413 (or MATH 2487) with a grade of 'C' or better.		
		3		MATH X3XX	Major Advanced Elective	c			See Degree Plan for course options.	
		3		XXXX X3XX	Free Advanced Elective					
		3		XXXX X3XX	Free Elective					
	15 Semester Total Hours									
	SPRING	3		MATH X3XX	Major Advanced Elective	c			See Degree Plan for course options.	
		3		MATH X3XX	Major Advanced Elective	c			See Degree Plan for course options.	
		3		XXXX X3XX	Free Advanced Elective					
		3		XXXX X3XX	Free Elective					
12 Semester Total Hours										

Graduation Requirements: The student must complete all these major course requirements and all MATH courses with grades of 'C' or better and have with a GPA for the major of 2.5 or better.

120 TOTAL HOURS

(54) TOTAL ADVANCED HOURS

Approved: Friday, October 16, 2015

Revised: Monday, August 03, 2015

		I	H	A	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FIRST YEAR	FALL		3		ENGL 1301	Rhetoric and Composition I	C	010	Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.		
			4		MATH 2413	Calculus I	C	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.		
			3		HIST 1301	U.S. History I		060			
			3		XXXX X3XX	Integrative and Experiential Learning		090		Recommended: CSCI 1380 or CSCI 1370/1170	
			3		ECON 2301	Principles of Macroeconomics		080			
				UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.		
			16	(0) Semester Total Hours							
	SPRING		3			ENGL 1302	Rhetoric And Composition II	C	010	A grade of 'C' or better in ENGL 1301 or ENGL 1387.	
			4			MATH 2414	Calculus II	C	020	MATH 2413 (or MATH 2487) with a grade of 'C' or better.	
			3			MATH 2318	Linear Algebra	C		MATH 2413 (or MATH 2487) with a grade of 'C' or better.	
		3			HIST 1302	U.S. History II		060			
		3			ECON 2302	Principles of Microeconomics	C		ECON 2301 with a grade of 'C' or better.		
		16	(0) Semester Total Hours								
SECOND YEAR	FALL		4		MATH 2415	Calculus III	C		MATH 2414 (or MATH 2488) with a grade of 'C' or better.		
			3	(3)	MATH 3341	Differential Equations	C		MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.		
			3		POLS 2301	U.S. & Texas Government & Politics I		070			
			4		XXXX X4XX	Life and Physical Sciences I		030		Recommended: PHYS 2425	
			14	(3) Semester Total Hours							
	SPRING		3	(3)		MATH 3343	Introduction to Mathematical Software	C		MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.	
			3	(3)		MATH 3350	Introduction to Mathematical Proof	C		MATH 2318 with a grade of 'C' or better.	
			3			POLS 2302	U.S. & Texas Government & Politics II		070		
			1			XXXX X1XX	Integrative and Experiential Learning		090		
			4			XXXX X4XX	Life and Physical Sciences II		030		
		14	(6) Semester Total Hours								

Symbols Key

Critical (!): sequence sensitive course.

Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.

General Education Core (GEC) Sections: 010 - Communication; 020 - Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy & Culture; 050 - Creative Arts; 060 - American History; 070 - Government/Political Science; 080 - Social and Behavioral Sciences; 090 - Computer Application; 090 - Interdisciplinary; 090 - Science Labs; 090 - Wellness.

Language Proficiency Requirement: Student is required to demonstrate language proficiency in a language other than English at the undergraduate level equivalent to a minimum of six credits.

		I	H	A	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
THIRD YEAR	FALL		3	(3)	MATH 3363	Modern Algebra I		c	MATH 2318 and MATH 3350, each with a grade of 'C' or better.		
			3	(3)	MATH 3352	Modern Geometry I		c	MATH 2318 with a grade of 'C' or better.		
			3	(3)	ECON 3351	Macroeconomic Theory			ECON 2301 and ECON 2302.		
			3		XXXX X3XX	Language, Philosophy & Culture			040		See General Education Core for course options.
			3	(0)	XXXX X3XX	Free Elective					
		15			(9) Semester Total Hours						
THIRD YEAR	SPRING		3	(3)	MATH 3372	Real Analysis I		c	MATH 2414 (or MATH 2488) and MATH 3350, each with a grade of 'C' or better.		
			3	(3)	MATH 4337	Probability and Statistics I		c	MATH 2414 (or MATH 2488) with a grade of 'C' or better.		
			3	(3)	ECON 3352	Microeconomic Theory		c	ECON 2301 and ECON 2302.		
			3		XXXX X3XX	Free Elective					
			3		XXXX X3XX	Free Elective					
		15			(9) Semester Total Hours						
		I	H	A	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FOURTH YEAR	FALL		3	(3)	MATH 4390	Mathematics Project		c	MATH 2318, MATH 3350, and 9 additional advanced hours of MATH, all with grades of 'C' or better.		
			3	(3)	MATH X3XX	Major Advanced Elective		c			
			3	(3)	ECON 3341	Econometrics		c	ECON 2301, ECON 2302, and QUMT 2341.		
			3	(3)	XXXX X3XX	Free Advanced Elective					
			3		XXXX X3XX	Free Elective					
		15			(12) Semester Total Hours						
FOURTH YEAR	SPRING		3	(3)	ECON 4361	Studies in Economics		c	ECON 2301 and ECON 2302.	See Degree Plan for course options.	
			3	(3)	ECON 3342	Business and Economics Forecasting		c	ECON 3341.	See Degree Plan for course options.	
			3		XXXX X3XX	Creative Arts		c	050		See General Education Core for course options.
			3	(3)	XXXX X3XX	Free Advanced Elective					
			3		XXXX X3XX	Free Elective					
		15			(9) Semester Total Hours						

Graduation Requirements: The student must complete all these major course requirements and all MATH courses with grades of 'C' or better and have with a GPA for the major of 2.5 or better.

120 TOTAL HOURS
(48) TOTAL ADVANCED HOURS

Approved: Friday, October 16, 2015
Revised: Monday, August 03, 2015

		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FIRST YEAR	FALL	!	3	ENGL 1301	Rhetoric and Composition I	c	010	Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.		
		!	4	MATH 2413	Calculus I	c	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.		
			3	HIST 1301	U.S. History I			060		
		!	1	UTCH 1101	Inquiry Approaches to Teaching	c			Criminal background check and TB vaccine.	
			3	XXXX X3XX	Integrative and Experiential Learning			090		Recommended: CSCI 1380 or CSCI 1370/1170
			3	XXXX X3XX	Creative Arts			050		See General Education Core for course options.
					UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.
17 Semester Total Hours										
FIRST YEAR	SPRING		3	ENGL 1302	Rhetoric And Composition II	c	010	A grade of 'C' or better in ENGL 1301 or ENGL 1387.		
		!	4	MATH 2414	Calculus II	c	020	MATH 2413 (or MATH 2487) with a grade of 'C' or better.		
		!	3	MATH 2318	Linear Algebra	c		MATH 2413 (or MATH 2487) with a grade of 'C' or better.		
			3	HIST 1302	U.S. History II			060		
		!	1	UTCH 1102	Inquiry-Based Lesson Design	c			UTCH 1101 with a grade of 'C' or better or concurrent enrollment with UTCH 1101.	
			3	XXXX X3XX	Social and Behavioral Sciences			080		Recommended: ECON 1301 or ECON 2301
17 Semester Total Hours										
		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
SECOND YEAR	FALL	!	3	MATH 1350	Fundamentals of Mathematics I	c		MATH 1314 or MATH 1414 with a grade of 'C' or better.		
		!	4	MATH 2415	Calculus III	c		MATH 2414 (or MATH 2488) with a grade of 'C' or better.		
			3	POLS 2301	U.S. & Texas Government & Politics I			070		
			4	XXXX X4XX	Life and Physical Sciences I			030		Recommended: PHYS 2425
			3	XXXX X3XX	Language, Philosophy & Culture			040		See General Education Core for course options.
	17 Semester Total Hours									
	Official Admittance into UTeach Program required: See UTeach website for requirements.									
SECOND YEAR	SPRING	!	3	MATH 1351	Fundamentals of Mathematics II	c		MATH 1350 with a grade of 'C' or better.		
		!	3	MATH 3350	Introduction to Mathematical Proof	c		MATH 2318 with a grade of 'C' or better.		
			3	POLS 2302	U.S. & Texas Government & Politics II			070		
		!	3	UTCH 3301	Knowing and Learning in Mathematics and Science	c			UTCH 1101 and UTCH 1102 with a grade of 'C' or better or concurrent enrollment with UTCH 1101 and/or UTCH 1102 with consent of UTeach advisor.	
			1	XXXX X1XX	Integrative and Experiential Learning			090		
	4	XXXX X4XX	Life and Physical Sciences II			030		Recommended: PHYS 2426		
17 Semester Total Hours										

Symbols Key

Critical (!): sequence sensitive course.

Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.

General Education Core (GEC) Sections: 010 - Communication; 020 - Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy & Culture; 050 - Creative Arts; 060 - American History; 070 - Government/Political Science; 080 - Social and Behavioral Sciences; 090 - Computer Application; 090 - Interdisciplinary ;090 - Science Labs; 090 - Wellness.

Language Proficiency Requirement: Student is required to demonstrate language proficiency in a language other than English at the undergraduate level equivalent to a minimum of six credits.

		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
THIRD YEAR	FALL		3	MATH 3341	Differential Equations	c		MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.	
			3	MATH 3352	Modern Geometry I	c		MATH 2318 with a grade of 'C' or better.	
			3	MATE 3301	Fundamentals of Middle School Mathematics	c		MATH 1351 with a grade of 'C' or better.	
			3	MATE 3321	Functions and Modeling	c		MATH 2413 (or MATH 2487) and UTCH 1102, each with a grade of 'C' or better.	
			3	UTCH 3302	Classroom Interactions	c		(a) A university grade point average of at least 2.75, (b) UTCH 3301 with a grade of 'C' or better or concurrent enrollment with UTCH 3301 with consent of UTeach advisor, and (c) positive evaluation of stage-one UTeach portfolio.	
		15 Semester Total Hours							
THIRD YEAR	SPRING		3	MATH 3363	Modern Algebra I	c		MATH 2318 and MATH 3350, each with a grade of 'C' or better.	
			3	MATH 3372	Real Analysis I	c		MATH 2414 (or MATH 2488) and MATH 3350, each with a grade of 'C' or better.	
			3	MATE 3302	Fundamentals of Measurement and Geometry I	c		MATH 1351 with a grade of 'C' or better.	
			3	MATE 3304	Fundamentals of Algebraic Structures	c		MATH 1351 with a grade of 'C' or better.	
			3	READ 4305	Content Area Literacy			Admission to COE Teacher Education Program.	
		15 Semester Total Hours							
		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FOURTH YEAR	FALL		3	MATH 4390	Mathematics Project	c		MATH 2318, MATH 3350, and 9 additional advanced hours of MATH, all with grades of 'C' or better.	
			3	MATE 3303	Fundamentals of Measurement and Geometry II	c		MATE 3302 with a grade of 'C' or better.	
			3	MATE 3317	Perspectives in Mathematics and Science	c		MATE 3321, BIOL 3330, or PHYS 3330 with a grade of "C" or better.	
			3	UTCH 3303	Project-Based Instruction	c		(a) A university grade point average of at least 2.75, (b) UTCH 3302 with a grade of 'C' or better or concurrent enrollment with UTCH 3302 with consent of UTeach advisor, and (c) positive evaluation of the second-stage UTeach portfolio.	
				12 Semester Total Hours					
FOURTH YEAR	SPRING		3	MATH 4337	Probability and Statistics I	c		MATH 2414 (or MATH 2488) with a grade of 'C' or better.	
			3	MATE 4319	Research Methods in Middle School Mathematics	c		Consent of instructor.	
			1	UTCH 4101	Apprentice Teaching Seminar			(a) A university grade point average of at least 2.75, (b) UTCH 3303 with a grade of 'C' or better, (c) concurrent enrollment with UTCH 4601, (d) successful completion of PPR and content TExES examinations, and (e) acceptance of the third-stage UTeach portfolio.	
			6	UTCH 4601	Apprentice Teaching			(a) A university grade point average of at least 2.75, (b) UTCH 3303 with a grade of 'C' or better, (c) successful completion of PPR and content TExES examinations, and (d) acceptance of the third-stage UTeach portfolio.	
				13 Semester Total Hours					

Progression requirements: Admission to the College of Education is required for participation in Apprentice Teaching and Seminar (UTCH 4101, 4601). Students unable to be admitted to UTCH 4601 and UTCH 4101 will be required to substitute 4 advanced hours, as recommended by advisor.

Graduation Requirements: The student must complete all these major course requirements and all MATH courses with grades of 'C' or better and have with a GPA for the major of 2.5 or better.

123 TOTAL HOURS

(61) TOTAL ADVANCED HOURS

Approved: Friday, October 16, 2015

Revised: Tuesday, August 11, 2015

		!	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FIRST YEAR	FALL		3	ENGL 1301	Rhetoric and Composition I	c	010	Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.		
			4	MATH 2413	Calculus I	c	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.		
			3	HIST 1301	U.S. History I		060			
			3	XXXX X3XX	Integrative and Experiential Learning		090		Recommended: CSCI 1380 or CSCI 1370/1170	
			3	XXXX X3XX	Creative Arts		050		See General Education Core for course options.	
					UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.
16 Semester Total Hours										
FIRST YEAR	SPRING		3	ENGL 1302	Rhetoric And Composition II	c	010	A grade of 'C' or better in ENGL 1301 or ENGL 1387.		
			4	MATH 2414	Calculus II	c	020	MATH 2413 (or MATH 2487) with a grade of 'C' or better.		
			3	MATH 2318	Linear Algebra	c		MATH 2413 (or MATH 2487) with a grade of 'C' or better.		
			3	HIST 1302	U.S. History II		060			
			3	XXXX X3XX	Social and Behavioral Sciences		080		Recommended: ECON 1301 or ECON 2301	
16 Semester Total Hours										
SECOND YEAR	FALL		4	MATH 2415	Calculus III	c		MATH 2414 (or MATH 2488) with a grade of 'C' or better.		
			3	MATH 3341	Differential Equations	c		MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.		
			3	POLS 2301	U.S. & Texas Government & Politics I		070			
			4	XXXX X4XX	Life and Physical Sciences I		030		Recommended: PHYS 2425	
			3	XXXX X3XX	Language, Philosophy & Culture		040		See General Education Core for course options.	
	17 Semester Total Hours									
	SECOND YEAR	SPRING		3	MATH 3352	Modern Geometry I	c		MATH 2318 with a grade of 'C' or better.	
				3	MATH 3350	Introduction to Mathematical Proof	c		MATH 2318 with a grade of 'C' or better.	
				3	POLS 2302	U.S. & Texas Government & Politics II		070		
			1	XXXX X1XX	Integrative and Experiential Learning		090			
	4	XXXX X4XX	Life and Physical Sciences II		030		Recommended: PHYS 2426			
14 Semester Total Hours										

Symbols Key

Critical (!): sequence sensitive course.

Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.

General Education Core (GEC) Sections: 010 - Communication; 020 - Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy & Culture; 050 - Creative Arts; 060 - American History; 070 - Government/Political Science; 080 - Social and Behavioral Sciences; 090 - Computer Application; 090 - Interdisciplinary ;090 - Science Labs; 090 - Wellness.

Language Proficiency Requirement: Student is required to demonstrate language proficiency in a language other than English at the undergraduate level equivalent to a minimum of six credits.

		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
THIRD YEAR	FALL		3	MATH 3363	Modern Algebra I	c		MATH 2318 and MATH 3350, each with a grade of 'C' or better.		
			3	MATH 3365	Number Theory	c		MATH 2318 and MATH 3350, each with a grade of 'C' or better.		
			3	MATH 4342	Complex Variables	c		MATH 2415 with a grade of 'C' or better.		
		3	MATH X3XX	Major Advanced Elective	c	#REF!		Recommended: MATH 3343		
		3	XXXX X3XX	Free Elective						
	15 Semester Total Hours									
THIRD YEAR	SPRING		3	MATH 3372	Real Analysis I	c		MATH 2414 (or MATH 2488) and MATH 3350, each with a grade of 'C' or better.		
			3	MATH 4337	Probability and Statistics I	c		MATH 2414 (or MATH 2488) with a grade of 'C' or better.		
			3	MATH 3349	Numerical Methods	c		MATH 2414 (or MATH 2488) and MATH 3343, each with a grade of 'C' or better.		
			3	MATH 43XX	Major Advanced Elective	c			See Degree Plan for course options.	
			3	XXXX X3XX	Free Elective					
15 Semester Total Hours										
FOURTH YEAR	FALL		3	MATH 4390	Mathematics Project	c		MATH 2318, MATH 3350, and 9 additional advanced hours of MATH, all with grades of 'C' or better.		
			3	MATH 4355	Topology	c		MATH 2414 (or MATH 2488) and MATH 3350, each with a grade of 'C' or better.		
			3	MATH 43XX	Major Advanced Elective	c			See Degree Plan for course options.	
			3	XXXX X3XX	Free Advanced Elective					
			3	XXXX X3XX	Free Elective					
	15 Semester Total Hours									
	FOURTH YEAR	SPRING		3	MATH X3XX	Major Advanced Elective	c			See Degree Plan for course options.
				3	MATH X3XX	Major Advanced Elective	c			See Degree Plan for course options.
				3	XXXX X3XX	Free Advanced Elective				
				3	XXXX X3XX	Free Elective				
12 Semester Total Hours										

Graduation Requirements: The student must complete all these major course requirements and all MATH courses with grades of 'C' or better and have with a GPA for the major of 2.5 or better.

120 TOTAL HOURS

(54) TOTAL ADVANCED HOURS

Approved: Friday, October 16, 2015

Revised: Monday, August 03, 2015

		!	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FIRST YEAR	FALL		3	ENGL 1301	Rhetoric and Composition I	c	010	Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.		
		!	4	MATH 2413	Calculus I	c	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.		
			3	HIST 1301	U.S. History I		060			
			3	XXXX X3XX	Integrative and Experiential Learning		090		Recommended: CSCI 1380 or CSCI 1370/1170	
			3	XXXX X3XX	Creative Arts		050		See General Education Core for course options.	
				UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.	
	16 Semester Total Hours									
		SPRING		3	ENGL 1302	Rhetoric And Composition II	c	010	A grade of 'C' or better in ENGL 1301 or ENGL 1387.	
	!		4	MATH 2414	Calculus II	c	020	MATH 2413 (or MATH 2487) with a grade of 'C' or better.		
	!		3	MATH 2318	Linear Algebra	c		MATH 2413 (or MATH 2487) with a grade of 'C' or better.		
	3		HIST 1302	U.S. History II		060				
	3		XXXX X3XX	Social and Behavioral Sciences		080		Recommended: ECON 1301 or ECON 2301		
16 Semester Total Hours										
SECOND YEAR	FALL	!	4	MATH 2415	Calculus III	c		MATH 2414 (or MATH 2488) with a grade of 'C' or better.		
		!	3	MATH 3341	Differential Equations	c		MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.		
			3	POLS 2301	U.S. & Texas Government & Politics I		070			
			4	XXXX X4XX	Life and Physical Sciences I		030		Recommended: PHYS 2425	
			3	XXXX X3XX	Language, Philosophy & Culture		040		See General Education Core for course options.	
	17 Semester Total Hours									
		SPRING	!	3	MATH 3352	Modern Geometry I	c		MATH 2318 with a grade of 'C' or better.	
	!		3	MATH 3350	Introduction to Mathematical Proof	c		MATH 2318 with a grade of 'C' or better.		
			3	POLS 2302	U.S. & Texas Government & Politics II		070			
			1	XXXX X1XX	Integrative and Experiential Learning		090			
	4		XXXX X4XX	Life and Physical Sciences II		030		Recommended: PHYS 2426		
14 Semester Total Hours										

Symbols Key

Critical (!): sequence sensitive course.

Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.

General Education Core (GEC) Sections: 010 - Communication; 020 - Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy & Culture; 050 - Creative Arts; 060 - American History; 070 - Government/Political Science; 080 - Social and Behavioral Sciences; 090 - Computer Application; 090 - Interdisciplinary ;090 - Science Labs; 090 - Wellness.

Language Proficiency Requirement: Student is required to demonstrate language proficiency in a language other than English at the undergraduate level equivalent to a minimum of six credits.

		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
THIRD YEAR	FALL		3	MATH 3363	Modern Algebra I			MATH 2318 and MATH 3350, each with a grade of 'C' or better.		
			3	XXXX X3XX	Major Advanced Elective				College of Sciences or College Engineering & Computer Science; excluding MATH or MATE	
			3	XXXX X3XX	Major Advanced Elective				College of Sciences or College Engineering & Computer Science; excluding MATH or MATE	
			3	XXXX X3XX	Major Elective				College of Sciences or College Engineering & Computer Science; excluding MATH or MATE	
			3	XXXX X3XX	Free Elective					
	15 Semester Total Hours									
	SPRING		3	MATH 3372	Real Analysis I		c	MATH 2414 (or MATH 2488) and MATH 3350, each with a grade of 'C' or better.		
			3	MATH 4337	Probability and Statistics I		c	MATH 2414 (or MATH 2488) with a grade of 'C' or better.		
			3	XXXX X3XX	Major Advanced Elective				College of Sciences or College Engineering & Computer Science; excluding MATH or MATE	
			3	XXXX X3XX	Major Advanced Elective				College of Sciences or College Engineering & Computer Science; excluding MATH or MATE	
		3	XXXX X3XX	Free Elective						
15 Semester Total Hours										
FOURTH YEAR	FALL		3	MATH 4390	Mathematics Project		c	MATH 2318, MATH 3350, and 9 additional advanced hours of MATH, all with grades of 'C' or better.		
			3	XXXX X3XX	Major Advanced Elective				College of Sciences or College Engineering & Computer Science; excluding MATH or MATE	
			3	XXXX X3XX	Major Advanced Elective				College of Sciences or College Engineering & Computer Science; excluding MATH or MATE	
			3	XXXX X3XX	Free Advanced Elective					
			3	XXXX X3XX	Free Elective					
	15 Semester Total Hours									
	SPRING		3	XXXX X3XX	Major Advanced Elective				College of Sciences or College Engineering & Computer Science; excluding MATH or MATE	
			3	XXXX X3XX	Major Elective				College of Sciences or College Engineering & Computer Science; excluding MATH or MATE	
			3	XXXX X3XX	Free Advanced Elective					
			3	XXXX X3XX	Free Elective					
12 Semester Total Hours										

Graduation Requirements: The student must complete all these major course requirements and all MATH courses with grades of 'C' or better and have with a GPA for the major of 2.5 or better.

120 TOTAL HOURS

(48) TOTAL ADVANCED HOURS

Approved: Friday, October 16, 2015

Revised: Monday, August 03, 2015

	I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FIRST YEAR	FALL	3	ENGL 1301	Rhetoric and Composition I	c	010	Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.		
		4	MATH 2413	Calculus I	c	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.		
		3	HIST 1301	U.S. History I		060			
		1	UTCH 1101	Inquiry Approaches to Teaching	c		Criminal background check and TB vaccine.		
		3	XXXX X3XX	Integrative and Experiential Learning		090		Recommended: CSCI 1380 or CSCI 1370/1170	
		3	XXXX X3XX	Creative Arts		050		See General Education Core for course options.	
				UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.
17 Semester Total Hours									
FIRST YEAR	SPRING	3	ENGL 1302	Rhetoric And Composition II	c	010	A grade of 'C' or better in ENGL 1301 or ENGL 1387.		
		4	MATH 2414	Calculus II	c	020	MATH 2413 (or MATH 2487) with a grade of 'C' or better.		
		3	MATH 2318	Linear Algebra	c		MATH 2413 (or MATH 2487) with a grade of 'C' or better.		
		3	HIST 1302	U.S. History II		060			
		1	UTCH 1102	Inquiry-Based Lesson Design	c		UTCH 1101 with a grade of 'C' or better or concurrent enrollment with UTCH 1101.		
		3	XXXX X3XX	Social and Behavioral Sciences		080		Recommended: ECON 1301 or ECON 2301	
17 Semester Total Hours									
SECOND YEAR	FALL	4	MATH 2415	Calculus III	c		MATH 2414 (or MATH 2488) with a grade of 'C' or better.		
		3	MATE 3321	Functions and Modeling	c		MATH 2413 (or MATH 2487) and UTCH 1102, each with a grade of 'C' or better.		
		3	POLS 2301	U.S. & Texas Government & Politics I		070			
		4	XXXX X4XX	Life and Physical Sciences I		030		Recommended: PHYS 2425	
		3	XXXX X3XX	Language, Philosophy & Culture		040		See General Education Core for course options.	
	17 Semester Total Hours								
	Official Admittance into UTeach Program required: See UTeach website for requirements.								
	SECOND YEAR	SPRING	3	MATH 3350	Introduction to Mathematical Proof	c		MATH 2318 with a grade of 'C' or better.	
			3	MATH 3341	Differential Equations	c		MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.	
			3	POLS 2302	U.S. & Texas Government & Politics II		070		
3			UTCH 3301	Knowing and Learning in Mathematics and Science	c		UTCH 1101 and UTCH 1102 with a grade of 'C' or better or concurrent enrollment with UTCH 1101 and/or UTCH 1102 with consent of UTeach advisor.		
4	XXXX X4XX	Life and Physical Sciences II		030		Recommended: PHYS 2426			
16 Semester Total Hours									

Symbols Key

Critical (!): sequence sensitive course.

Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.

General Education Core (GEC) Sections: 010 - Communication; 020 - Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy & Culture; 050 - Creative Arts; 060 - American History; 070 - Government/Political Science; 080 - Social and Behavioral Sciences; 090 - Computer Application; 090 - Interdisciplinary; 090 - Science Labs; 090 - Wellness.

Language Proficiency Requirement: Student is required to demonstrate language proficiency in a language other than English at the undergraduate level equivalent to a minimum of six credits.

		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
THIRD YEAR	FALL		3	MATH 3363	Modern Algebra I	c		MATH 2318 and MATH 3350, each with a grade of 'C' or better.	
			3	MATH 3352	Modern Geometry I	c		MATH 2318 with a grade of 'C' or better.	
			3	MATE 3317	Perspectives in Mathematics and Science	c		MATE 3321, BIOL 3330, or PHYS 3330 with a grade of "C" or better.	
			3	UTCH 3302	Classroom Interactions	c		(a) A university grade point average of at least 2.75, (b) UTCH 3301 with a grade of 'C' or better or concurrent enrollment with UTCH 3301 with consent of UTeach advisor, and (c) positive evaluation of stage-one UTeach portfolio.	
			1	XXXX X1XX	Integrative and Experiential Learning			090	
13 Semester Total Hours									
THIRD YEAR	SPRING		3	MATH 3326	History of Mathematics	c		MATH 2414 (or MATH 2488) with a grade of 'C' or better.	
			3	MATH 3372	Real Analysis I	c		MATH 2414 (or MATH 2488) and MATH 3350, each with a grade of 'C' or better.	
			3	MATH 4337	Probability and Statistics I	c		MATH 2414 (or MATH 2488) with a grade of 'C' or better.	
			3	MATE 3322	Secondary Mathematics in a Technological Env	c		MATH 2414 (or MATH 2488) with a grade of 'C' or better.	
			3	READ 4305	Content Area Literacy				Admission to COE Teacher Education Program.
15 Semester Total Hours									
FOURTH YEAR	FALL		3	MATH 3361	Applied Discrete Mathematics	c		MATH 2318 with a grade of 'C' or better.	
			3	MATH 4390	Mathematics Project	c		MATH 2318, MATH 3350, and 9 additional advanced hours of MATH, all with grades of 'C' or better.	
			3	MATE 4329	Research Methods in Secondary Mathematics	c		MATE 3317 or PHIL 3317 with a grade of "C" or better.	
			3	UTCH 3303	Project-Based Instruction	c		(a) A university grade point average of at least 2.75, (b) UTCH 3302 with a grade of 'C' or better or concurrent enrollment with UTCH 3302 with consent of UTeach advisor, and (c) positive evaluation of the second-stage UTeach portfolio.	
		12 Semester Total Hours							
FOURTH YEAR	SPRING		3	MATH 3365	Number Theory	c		MATH 2318 and MATH 3350, each with a grade of 'C' or better.	
			4	MATE 4423	Advanced Studies in Secondary Mathematics	c		MATH 3352 and MATH 3363, each with a grade of 'C' or better.	
			1	UTCH 4101	Apprentice Teaching Seminar				(a) A university grade point average of at least 2.75, (b) UTCH 3303 with a grade of 'C' or better, (c) concurrent enrollment with UTCH 4601, (d) successful completion of PPR and content TExES examinations, and (e) acceptance of the third-stage UTeach portfolio.
			6	UTCH 4601	Apprentice Teaching				(a) A university grade point average of at least 2.75, (b) UTCH 3303 with a grade of 'C' or better, (c) successful completion of PPR and content TExES examinations, and (d) acceptance of the third-stage UTeach portfolio.
14 Semester Total Hours									

Progression requirements: Admission to the College of Education is required for participation in Apprentice Teaching and Seminar (UTCH 4101, 4601). Students unable to be admitted to UTCH 4601 and UTCH 4101 will be required to substitute 3 advanced hours, as recommended by advisor.

Graduation Requirements: The student must complete all these major course requirements and all MATH and MATE courses with grades of 'C' or better and have with a GPA for the major of 2.5 or better.

121 TOTAL HOURS
(65) TOTAL ADVANCED HOURS

Approved: Friday, October 16, 2015
Revised: Tuesday, August 11, 2015

		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FIRST YEAR	FALL		3	ENGL 1301	Rhetoric and Composition I	C	010	Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.		
			4	MATH 2413	Calculus I	C	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.		
			3	HIST 1301	U.S. History I		060			
			3	XXXX X3XX	Integrative and Experiential Learning		090		Recommended: CSCI 1380 or CSCI 1370/1170	
			3	XXXX X3XX	Creative Arts		050		See General Education Core for course options.	
				UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.	
	16 Semester Total Hours									
		SPRING		3	ENGL 1302	Rhetoric And Composition II	C	010	A grade of 'C' or better in ENGL 1301 or ENGL 1387.	
			4	MATH 2414	Calculus II	C	020	MATH 2413 (or MATH 2487) with a grade of 'C' or better.		
			3	MATH 2318	Linear Algebra	C		MATH 2413 (or MATH 2487) with a grade of 'C' or better.		
			3	HIST 1302	U.S. History II		060			
			3	XXXX X3XX	Social and Behavioral Sciences		080		Recommended: ECON 1301 or ECON 2301	
	16 Semester Total Hours									
	SECOND YEAR	FALL		3	MATH 1342	Elementary Statistical Methods	C	020	College Ready TSI status in Mathematics.	
				4	MATH 2415	Calculus III	C		MATH 2414 (or MATH 2488) with a grade of 'C' or better.	
				3	POLS 2301	U.S. & Texas Government & Politics I		070		
			4	XXXX X4XX	Life and Physical Sciences I		030		Recommended: PHYS 2425	
			3	XXXX X3XX	Language, Philosophy & Culture		040		See General Education Core for course options.	
17 Semester Total Hours										
		SPRING		3	MATH 3350	Introduction to Mathematical Proof	C		MATH 2318 with a grade of 'C' or better.	
			3	MATH 3341	Differential Equations	C		MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.		
			3	POLS 2302	U.S. & Texas Government & Politics II		070			
			1	XXXX X1XX	Integrative and Experiential Learning		090			
			4	XXXX X4XX	Life and Physical Sciences II		030		Recommended: PHYS 2426	
14 Semester Total Hours										

Symbols Key

Critical (!): sequence sensitive course.

Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.

General Education Core (GEC) Sections: 010 - Communication; 020 - Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy & Culture; 050 - Creative Arts; 060 - American History; 070 - Government/Political Science; 080 - Social and Behavioral Sciences; 090 - Computer Application; 090 - Interdisciplinary ;090 - Science Labs; 090 - Wellness.

Language Proficiency Requirement: Student is required to demonstrate language proficiency in a language other than English at the undergraduate level equivalent to a minimum of six credits.

		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
THIRD YEAR	FALL		3	MATH 3331	Applied Statistics I	c		MATH 2413 (or MATH 2487) with a grade of 'C' or better.		
			3	MATH 3334	Sampling	c		MATH 1342 (or MATH 1387), MATH 1343, or MATH 3331, with a grade of 'C' or better.		
			3	MATH 3352	Modern Geometry I	c		MATH 2318 with a grade of 'C' or better.		
			3	MATH 3363	Modern Algebra I	c		MATH 2318 and MATH 3350, each with a grade of 'C' or better.		
			3	XXXX X3XX	Free Elective					
	15 Semester Total Hours									
	SPRING		3	MATH 3372	Real Analysis I	c		MATH 2414 (or MATH 2488) and MATH 3350, each with a grade of 'C' or better.		
			3	MATH 3332	Applied Statistics II	c		MATH 3331 with a grade of 'C' or better.		
			3	MATH 3335	Applied Regression	c		MATH 1342 (or MATH 1387), MATH 1343, or MATH 3331, with a grade of 'C' or better.		
			3	MATH 3343	Introduction to Mathematical Software	c		MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.		
		3	XXXX X3XX	Free Elective						
15 Semester Total Hours										
FOURTH YEAR	FALL		3	MATH 4390	Mathematics Project	c		MATH 2318, MATH 3350, and 9 additional advanced hours of MATH, all with grades of 'C' or better.		
			3	MATH 4337	Probability and Statistics I	c		MATH 2414 (or MATH 2488) with a grade of 'C' or better.		
			3	MATH X3XX	Major Advanced Elective	c			See Degree Plan for course options.	
			3	XXXX X3XX	Free Advanced Elective					
			3	XXXX X3XX	Free Elective					
	15 Semester Total Hours									
	SPRING		3	MATH 4338	Probability and Statistics II	c		MATH 4337 with a grade of 'C' or better.		
			3	MATH 3349	Numerical Methods	c		MATH 2414 (or MATH 2488) and MATH 3343, each with a grade of 'C' or better.		
			3	XXXX X3XX	Free Advanced Elective					
			3	XXXX X3XX	Free Elective					
12 Semester Total Hours										

Graduation Requirements: The student must complete all these major course requirements and all MATH courses with grades of 'C' or better and have with a GPA for the major of 2.5 or better.

120 TOTAL HOURS

(51) TOTAL ADVANCED HOURS

Approved: Friday, October 16, 2015

Revised: Monday, August 03, 2015